

ABSTRACT

The invention relates to a method and apparatus for atomizing liquids. In particular, the present invention relates to a method and apparatus for atomizing heavy hydrocarbon fuels such as diesel, as part of a fuel reforming process. During normal operating conditions the fuel is atomized by a high pressure fluid. Under start-up conditions when only a low pressure gas is available the fuel films across part of the nozzle and is subsequently atomized by a radially directed low pressure dispersion gas.